Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/27/2018 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124587	-1	2.03	124695	2.01
Blue	F	SSC	125000	123801	-1	3.61	124719	3.61
Blue	E	FITC	15492	14977	-4	3.73	349	21.82
Blue	D	PE	28736	27968	-3	2.98	618	16.31
Blue	B	PerCP-Cy5-5	41413	41216	-1	4.58	1132	23.36
Blue	A	PE-Cy7	31321	31298	-1	7.08	563	48.49
Red	C	APC	41673	40779	-3	2.99	1578	13.51
Red	A	APC-Cy7	29962	29385	-2	2.88	734	14.01
Violet	B	V450	8318	7824	-6	4.51	433	14.51
Violet	A	V500	34199	33399	-3	4.22	803	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20320	4.10	608	-5	N/A	N/A	Pass
Blue	F	SSC	56023	3.09	575	7	N/A	N/A	Pass
Blue	E	FITC	58	72.23	557	-4	0.0158	151	Pass
Blue	D	PE	120	59.30	557	-3	0.1372	321	Pass
Blue	B	PerCP-Cy5-5	208	55.87	664	-3	0.0070	24	Pass
Blue	A	PE-Cy7	110	119.83	719	-3	0.0088	22	Pass
Red	C	APC	361	28.45	600	-1	0.0185	91	Pass
Red	A	APC-Cy7	182	32.62	576	0	0.0048	1604	Pass
Violet	B	V450	64	69.35	478	1	0.0429	2141	Pass
Violet	A	V500	113	35.04	497	3	0.0218	722	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.88	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.07	13.60 - 20.40	N/A	N/A	29.06	29.45	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11424

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments